Sheet 1 of 2 ATTY DOCKET NO. APPLICATION NO. 11219-021-999 09/893,746 (500752-999020, P4901P1) NCES CITED BY APPLICANT APPLICANT (Use several sheets if necessary) Ronald Pettis, et al. FILING DATE GROUP June 29, 2001 3763 **U.S. PATENT DOCUMENTS** FILING DATE IF APPROPRIATE *EXAMINER INITIAL CM DOCUMENT NUMBER 4,886,499 DATE 12-1989 NAME CLASS SUBCLASS Cirelli, et al.

Magnet

Cheikh

Cirelli, et al.

01-1994

12-1996

12-1998

06/19/1997

02/24/2000

5,279,552

5,582,591

WO 97/21457

WO 00/09186

CP 5,848,990

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	1	1 ' '							
	CQ	6,056,716	05-2000	D'Antonio, et al.					
HEM	CR	6,319,224	11-2001	Stout, et al.					
			FOREIGN	PATENT DOCUMENTS				····	
	Γ	DOCUMENT NUMBER	DATE	COUNTRY	- ~	CLASS	SUBCLASS	TRANSL	ATION
	·				-			YES	NO
MINT	CS	WO 94/23777	10/27/1994	PCT		*			
	СТ	EP 0 429 842	08/28/1996	EP		 			

PCT

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		OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)
MIH	CW	Agrawal, et al., Pharmacokinetics, Biodistribution, and Stability of Oligodeoxynucleotide Phosphorothioates in Mice, Proc. Natl. Acad. Sci. USA, Vol. 88, pp. 7595-7599, September 1991 Medical Sciences
	CX	Autret, et al., Comparison of Pharmacokinetics and tolerance of Calcitonine administered by Intradermal or Subcutaneous Route, Fundamental Clinical Pharmacology, Vol. 3, No. 2, pp 170-171, 1989
	CY	Benoni, et al., Distribution of Ceftazidime in Ascitic Fluid, Antimicrobial Agents and Chemotherapy, Vol. 25, No. 6, June 1984, pp. 760-763
	CZ	Bickers, et al., editors, Clinical Pharmacology of Skin Disease, pp. 57-90, Churchill Livingstone, Inc. 1984
MISH	DA	Bocci, et al., The Lymphatic Route. IV. Pharmacokinetics of Human Recombinant Interferon a2 and Natural Interferon beta Administered Intradermally in Rabbits, International Journal of Pharmaceutics, 32, 1986, pp. 103-110 Elsevier Science Publishers B.V. (Biomedical Division)
MIH	DВ	Bronaugh RL, Stewart RF, Congdon ER. Methods for in Vitro Percutaneous Absorption Studies. II. Animal Models for Human Skin. Toxicol. Appl. Pharmacol. 1982 Mar 15;62(3):481-8.
41214	DC	Callen, Intralesional Corticosteriods, Journal of the American Academy of Dermatology, University of Louisville School of Medicine, pp. 149-151, 1981
	DE	Corbo M, Liu JC, Chien YW, Transdermal Controlled Delivery of Propranolol from a Multilaminate Adhesive Device, Pharm Res. 1989 Sep;6(9):753-8.
HEM	DF	Cossum, et al., Disposition of the C-Labeled Phosphorothioate Oligonucleotide ISIS 2105 after Intravenous Administration to Rats, The Journal of Pharmacology and Experimental Therapeutics, pp. 1181-1190, Vol. 267, No. 3, 1993
MIH	DG	Cossum, et al., Pharmacokinetics of C-Labeled Phosphorothioate Oligonucleotide, ISIS 2105 after Administration to Rats, The Journal of Pharmacology and Experimental Therapeutics, pp. 89-94, Vol. 269, No. 1, 1994
	DH	Crooke, et al., A Pharmacokinetic Evaluation of C-Labeled Afovirsen Sodium in Patients with Genital Warts, Clinical Pharmacology & Therapeutics, pp. 641-646, Vol. 56, No. 6, Part 1, December 1994
	DI	Firooz, et al., Benefits and Risks of Intralesional Corticosteroid Injection in the Treatment of Dermatological Diseases, pp. 363-370, Vol. 20, No. 5, Clinical and Experimental Dermatology, Blackwell Science Ltd, September 1995
12/54	DJ	Goodarzi, et al., Organ Distribution and Stability of Phosphorothioated Oligodeoxyribonucleotides in Mice, Biopharmaceutics & Drug Disposition, pp. 221-227, Vol. 13, No. 3, John Wiley & Sons Ltd., April 1992

DEC 3 3	AUUS:	띩	Sheet Z O1 Z
		jK	Haynes, et al., Ultra-long-duration Local Anesthesia Produced by Injection of Lecithin-coated Methoxyflurane Microdroplets, Anestheiololgy, Vol. 63, Vol. 5, pp. 490-499, Nov. 1985
To TRA	77/ 77/	DL	Jakobson, et al., Variations in the Blood Concentration of 1,1,2-Tricholoroethane by Percutaneous Absorption and Other Routes of Administration in the Guinea Pig, Vol. 41, No. 5, pp. 497-506, Acta Pharmacologizca . et Toxicologica, November 1977
1/2	TH	DM	Jarratt, et al., The Effects of Intradermal Steroids on the Pituitary-Adrenal Axis and the Skin, The Journal of Investigative Dermatology, Vol. 62, No. 4, pp. 463-466, 1974
M	TH	DN	Kirkpatrick, et al., Local Anesthetic Efficacy of Methoxyflurane Microdroplets in Man, Vol. 67, No. 3A, Anesthesiology, September 1987
145	74	DO	Leroy, et al., Pharmacokinetics of Ceftazidime in Normal and Uremic Subjects, Antimicrobal Agents and Chemotherapy, Vol. 25, No. 5, pp. 638-642, May 1984
		QP	McAllister et al., Solid and Hollow Microneedles for Transdermal Protein Delivery. Proceed. Intl. Symp.
			Control. Rel. Bioact. Mater., 26 (Revised July 1999) Controlled Release Society, Inc. pp. 192-193
M	77+	DQ	McGugan, et al., Adrenal Suppression from Intradermal Triamcinolone. The Journal of Investigative Dermatology, Vol. 40, pp. 271-272, Baltimore, MD., 1963
M	77	DR	Scott, et al., Toxicity of Interferon, Vol. 282, pp. 1345-1348, British Medical Journal, April 25, 1981
Y	MEN	DS	Sebastien et al., Mircrofabricated Needles: A Novel Approach to Transdermal Drug Delivery, Journal of Pharmaceutical Sciences, Vol. 87, No. 8, August 1998, pp. 922-925
W	71	DŤ	Supersaxo, et al., Recombinant Human Interferon Alpha-2a: Delivery to Lymphoid Tissue by Selected Modes of Application, Pharmaceutical Research, Vol. 5, No. 8, pp. 472-476, August 1998
	$T \top$	DÜ	Sutherest, Treatment of Pruritus Vulvae by Multiple Intradermal Injections of Alcohol. A Double-Blind Study, Vol. 86, pp. 371-373, British Journal of Obstetrics and Gynecology, May 1979
		DV	Ward, et al., Puritus Vulvae: Treatment by Multiple Intradermal Alcohol Injections, Vol. 93, No. 2, pp. 201-204, British Journal of Dermatology, August 1975
		DW	Wu, et al., Pharmacokinetics of Methoxyflurane after its Intra-Dermal Injection as Lecithin-Coated Microdroplets, Vol. 9, pp. 1-12, Journal of Controlled Release, July 1989
M	174	DX	Zaynoun, et al., The Effect of Intracutaneous Glucocorticoids on Plasma Cortisol Levels, Vol. 88, No. 2, pp. 151-156, British Journal of Dermatology, February 1973

EXAMINER	MA	Hayer_	DATE CONSIDERED	3/21/05
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

					ATTY DOCKET NO. 11219-021-999	P4901-P		3,746
LIST	OF I	REFERENCES CIT (Use several sheets if		PLICANT	APPLICANT Pettis et al.			
					FILING DATE June 29, 2001		GROUP 3763	
			U.S. P	ATENT DOCUM	MENTS			
*EXAMINER INITIAL		DOCUMENT NUMBER	DATE		NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
MITH	BR	6,319,224	11/20/01	Stout et al.]		
PIJH	BS	US 2003/0073609	4/17/03	Pinkerton				

	FOREIGN PAT	TENT DOCUMENTS				
DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSL	ATION
 					YES	NO

			OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)
W/S	124 E	ВТ	Bader M. Influenza vaccine experience in Seattle. Am. J. Public Health. 1980 May;70(5):545
	F	BU	Brooks et al. Intradermal administration of bivalent and monovalent influenza vaccines. Ann. Allergy. 1977 Aug; 39(2):110-2
	F	3V	Brown et al. The immunizing effect of influenza A/New Jersey/76 (Hsw1N1) virus vaccine administered intradermally and intramuscularly to adults. J. Infect. Dis. 1977 Dec;136 Suppl:S466-71
	F	3W	Crowe Experimental comparison of intradermal and subcutaneous vaccination with influenza vaccinc. Am. J. Med. Technol. 1965 Nov-Dec;31(6):387-96
	E	3X	Foy et al. Efficacy of intradermally administered A2 Hong Kong vaccine. JAMA. 1970 Jul 6;213(1):130
	F	3Y	Glenn et al. Advances in vaccine delivery: transcutaneous immunisation. Exp. Opin. Invest. Drugs 1999, 8(6):797-805
		3Z	Gramzinski et al. Immune response to a hepatitis B DNA vaccine in Aotus monkeys: a comparison of vaccine formulation, route, and method of administration. Mol. Med. 1998 Feb;4(2):109-18
		CA	Halperin et al. A comparison of the intradermal and subcutaneous routes of influenza vaccination with A/New Jersey/76 (swine flu) and A/Victoria/75: report of a study and review of the literature. Am. J. Public Health. 1979 Dec;69(12):1247-50
	C	СВ	Herbert et al. Comparison of responses to influenza A/New Jersey/76-A/Victoria/75 virus vaccine administered intradermally or subcutaneously to adults with chronic respiratory disease. J. Infect. Dis. 1979 Aug;140(2):234-8
	C	CC	McElroy et al. Response to intradermal vaccination with A2, Hong Kong variant, influenza vaccine. N. Engl. J. Med. 1969 Nov 6;281(19):1076
	C	CD	Niculescu et al. Efficacy of an adsorbed trivalent split influenza vaccine administered by intradermal route. Arch. Roum. Path. Exp. Microbiol. 1981, 40(1):67-70
	C	CE	Payler DK. Intradermal influenza vaccine using Portojet 1976. Br. Med. J. 1977 Oct 29;2(6095):1152
	C	F	Payler et al. Letter: Intradermal influenza vaccination. Br. Med. J. 1974 Jun 29;2(921):727
	C	CG	Tauraso et al. Effect of dosage and route of inoculation upon antigenicity of inactivated influenza virus vaccine (Hong Kong strain) in man. Bull. World Health Organ. 1969;41(3):507-16
	C		The American Heritage College Dictionary, 2000, 3rd Edition; Houghton Mifflin Company, Boston, New York, p. 368
	C	I	Merriam-Webster's Collegiate Dictionary, 10th Edition, 1998, Merriam-Webster, Inc., Springfield, MA, p. 306
			The Merck Manual of Diagnosis and Therapy, 1999, 17th Edition, Beers & Berkow, ed., Merck Research Laboratories, Division of Merck & Co., Inc., Whitehouse Station, NJ, pp. 2559-2567
77.1	-11	CK	Sveinsson, 1939, Investigation on the Influence of Insulin and Adrenalin in Rabbits with Alimentary Fatty Liver and Muscles and on the Content of Fat and Sugar in Blood, Oslo, Norway (pp. 66-86)
11/1	C	L	Marian et al. 2001, Acta Biologica Hungarica, 52(1): 35-45

EXAMINER	M	Hazer	DATE CONSIDERED	3/3	21/6	75

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet of 2

	Complete if Known	R.E.
Application Number	09/893,746	
Filing Date	June 29, 2001	OCT - WIL
First Named Inventor	J. PETTIS erale.	£ 4 20
Group Art Unit	3763	1.100, 2002
Examiner Name	Not Yet Assigned	CENT
Attorney Docket Number	7767-173562	"LA RO

U.S. PATENT DOCUMENTS									
		Cite No.	U.S. Patent Document Kind Code ² (if known)		Name of Palentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear		
743	4	AA	2,619,962		Rosenthal	12/02/1952			
		AB	3,814,097		Ganderton et al.	06/04/1974			
		AC	3,964,482		Gerstel et al.	06/22/1976			
		AD	4,270,537		Romaine	06/02/1981			
		AE	4,592,753		Panoz	06/03/1986			
		AF	5,003,987		Grinwald	04/02/1991			
		AG	5,098,389		Cappucci	03/24/1992			
		AH	5,156,591		Gross et al.	10/20/1992			
		Al	5,250,023		Lee et al.	10/05/1993			
		AJ	5,279,544		Gross et al.	01/18/1994			
		AK	5,417,662		Hjertman et al.	05/23/1995			
-		AL	5,527,288		Gross et al.	06/18/1996			
		AM	5,591,139		Lin et al.	01/07/1997			
	Г	AN	5,801,057		Smart et al.	09/01/1998			
		AO	5,820,622		Gross et al.	10/13/1998			
		ΑP	5,848,991		Gross et al.	12/15/1998			
		AQ	5,876,582		Frazier	03/02/1999			
		AR	5,879,326		Godshall et al.	03/09/1999			
		AS	5,928,207		Pisano et al.	07/27/1999			
	\Box	AT	5,957,895		Sage et al.	09/28/1999			
-		ΑU	5,997,501		Gross et al.	12/07/1999			
		AV	6,099,504		Gross et al.	08/08/2000			
		AW	6,334,856	Ві	Allen et al.	01/01/2002			
W	W	AX	6,346,095	ВІ	Gross et al.	02/12/2002			

				FOREIG	N PATENT DOCU	MENTS		
Examiner	Cite	Foreign Patent Document		Name of Patentee	Date of Publication of	Pages, Columns, Lines, Where Relevant		
Initials* No.1		Office ³	Number ⁴	Kind Code ⁵ (if known)	or Applicant of Cited Document	Cited Document MM-DD-YYYY	Passages or Relevant Figures Appear	Τ _σ
MIH	AY	CA	2 349 431		Canada	05/25/2000		
	AZ	EP	1 086 718	Al	Ешторе	03/28/2001		
	BA	EP	1 086 719	A1	Europe	03/28/2001		
	BB	EP	1 088 642	A1	Európe	04/04/2001		
	ВС	EP	1 092 444	A1	Europe	04/18/2001		
	BD	wo	96/17648		PCT	06/13/1996		
	BE	wo	96/37155		PCT	11/28/1996		
	ÐF	wo	96/37256		PCT	11/28/1996		
	BG	wo	99/43350		PCT	09/02/1999		
	вн	wo	99/64580		PCT	12/16/1999		
	BI	wo	00/67647		PCT	11/16/2000		
	BJ	wo	00/74763	A2	PCT	12/14/2000		
WISH	ВК	wo	02/11669	A2	PCT	02/14/2002		

PTO/SB/08A (08-00)

Approved for use through 10/31/2002. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
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			01 001105	Application Number	09/893,746	FFO-		
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		OTHER PRIOR ART NON PATENT LITERATURE DOCUMENTS	
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MIH	BL	E. AUTRET et al., Therapie 1991, 46 : 5-8.	
	вм	BRESSOLLE et al., "A Weibull Distribution Model for Intradermal Administration of Ceftazidime", Journal of Pharmaceutical Sciences, Vol. 82, No. 11, November 1993, pps. 1175-1178.	
	BN	HENRY et al., "Microfabricated Microneedles: A Novel Approach to Transdermal Drug Delivery", Journal of Pharmaceutical Sciences, Vol. 87, No. 8, August 1998, pps. 922-925.	
	во	KAUSHIK et al., "Transdermal Protein Delivery Using Microfabricated Microneedles", Oct/Nov 1999 (1 page).	
	ВР	BURKOTH et al., "Transdermal and Transmucosal Powered Drug Delivery", Critical Review™ in Therapeutic Drug Carrier Systems, 16 (4), (1999), pps. 331-384.	
MH	BQ	MCALLISTER et al., "Three-Dimensional Hollow Microneedle and Microtube Arrays", Conference: Solid-State Sensors and Actuators Transducers-Conference, 1999; 10th, Vol. 12, pp 1098-1103.	

Examiner Signature	My Hayen	Date Considered	3/21/05

SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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